PATENT COOPERATION TREATY



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference O.Z. 6220-WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)							
International application No.	International filing da	International filing date (day/month/year) Priority date (day/mo						
PCT/EP2003/008736	07 August 200	3 (07.08.2003)	31 August 2002 (31.08.2002)					
International Patent Classification (IPC) or national classification and IPC C07C 45/50								
Applicant OXENO OLEFINCHEMIE GMBH								
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 								
2. This REPORT consists of a total of	4 sheets,	including this cover s	heet.					
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
These annexes consist of a total of sheets.								
3. This report contains indications rela	3. This report contains indications relating to the following items:							
I								
II Priority	II Priority							
III Non-establishment o	of opinion with regard to	novelty, inventive ste	ep and industrial applicability					
IV Lack of unity of inve	ention							
V Reasoned statement citations and explana	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;							
VI Certain documents of	ited		İ					
VII Certain defects in the	e international applicati	on						
VIII Certain observations on the international application								
Date of submission of the demand	T	Date of commission	CAL:					
	3 0003	Date of completion of this report						
17 December 2003 (17.12	2.2003)	11 .	June 2004 (11.06.2004)					
Name and mailing address of the IPEA/EP		Authorized officer						
Facsimile No.		Telephone No.						

Form PCT/IPEA/409 (cover sheet) (July 1998)

Translation

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP2003/008736

I. B	I. Basis of the report						
1. V	With	regard to	to the elements of the international application:*				
		the inte	nternational application as originally filed				
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	me in	e elemen	d to the language, all the elements marked above were available or furnished to this Authority in the lan tional application was filed, unless otherwise indicated under this item. tents were available or furnished to this Authority in the following language				
'	Н		language of a translation furnished for the purposes of international search (under Rule 23.1(b)).				
	H		language of publication of the international application (under Rule 48.3(b)).				
		or 55.3	•				
3.	With prelin	iiiiiiai y e	and to any nucleotide and/or amino acid sequence disclosed in the international application, the yexamination was carried out on the basis of the sequence listing:	e international			
'	\mathbb{H}		tained in the international application in written form.				
'	H		together with the international application in computer readable form.				
'	\mathbb{H}		ished subsequently to this Authority in written form.				
'	뉘		ished subsequently to this Authority in computer readable form.				
		mema	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
'		The subeen f	statement that the information recorded in computer readable form is identical to the written sequent furnished.	nce listing has			
4.		The ar	amendments have resulted in the cancellation of:				
İ			the description, pages				
			the claims, Nos.				
			the drawings, sheets/fig				
5. [This re	report has been established as if (some of) the amendments had not been made, since they have been cond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	onsidered to go			
6	and 7	acement . is report 70.17).	nt sheets which have been furnished to the receiving Office in response to an invitation under Article 14 of ort as "originally filed" and are not annexed to this report since they do not contain amendment	are referred to its (Rule 70.16			
	** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.						

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP 03/08736

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	1-12	YES
	Claims		NO
Inventive step (IS)	Claims	1-12	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-12	YES
	Claims		NO NO

2. Citations and explanations

The present application relates to a method for preparing aldehydes by the catalyzed hydroformylation of metals from groups 8 to 10 of the periodic table of elements in the presence of cyclical carbonic acid esters and ligands that do not have a sulfonic acid group or sulfonate group.

Document WO-A-87 07261 (D1) represents the closest prior art and differs from the subject matter of the present application in that no cyclical carbonic acid ester is present.

The technical problem is thus considered that of providing an improved method for preparing aldehydes.

A person skilled in the art would not derive from document D1 the idea of using cyclical carbonic ester as a solvent. The use of such a solvent results in increased chemoselectivity with regard to the desired aldehydes as well as in simpler recirculation of the catalyst and less deactivation.

Therefore, the subject matter of claims 1-12 fulfills the criteria of PCT Article 33(2) and (3).